

Test Performed By: S. Asad Ali Gillani

Manohar Lal
RE NESPAK
Hafizabad

(Dualization of Road From Gujranwala to M-2 Interchange at Kot Sarwar Via Hafizabad)

Client Reference: SA-466F/103/GH/ML/Lab/96

Dated: 30-03-2024

SOM Laboratory Reference: CED/SOM/3918(Page-1/1)

Dated: 03-04-2024

Test: Compressive Strength Tests

Sample Type: Cat Eye Yellow (E-Lite)

Test Results

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	Cat Eye (Yellow)	72.9 x 39.8	100 x 99.3	19.4	28.27°	17839

Note: Please always confirm the results of above report on web: www.uet-civil.edu.pk

Test Performed by: .Dr Asad Ali Gillani

Engr.Muhammad Irfan
Dy Dir Infra DHA Gujranwala.
(Sector-K)

Client Reference No.: 111/15/DD/RS/Lab/Sec-K/607

Dated: 01-04-2024

SOM Lab Ref: CED/SOM/3924(Page 1/1)

Dated: 03-04-2024

Test Type: Tensile Test

Sample Type: Iron Rungs (Cast Iron)

Tensile Test Results

Sr. No.	Sample Size (mm)	X Section Area (mm²)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)
1	26.8 x 26.4	707.52	58.7	82.96
2	26.8 x 26.5	710.20	49.0	68.99

Waqas Ali
Variant Gulberg 2, Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: VA/29/137

Dated: 03-04-2024

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 3919 (Page-1/1)

Dated: 03-04-2024

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.567	6	0.766	0.44	0.461	16.16	21.15	80990	77300	106020	101190	1.00	8.0	12.5	
2	1.479	6	0.744	0.44	0.435	14.75	19.22	73940	74790	96320	97420	1.20	8.0	15.0	
3	0.666	4	0.500	0.20	0.196	6.47	8.51	71380	72840	93860	95780	1.10	8.0	13.8	
4	0.666	4	0.500	0.20	0.196	6.63	8.53	73070	74560	94090	96010	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Mehmood Iqbal Cheema,RE

Test Performed By: Dr./Engr. Wasim Abbas

Nespak-Turk Pak JV, MCH Bwn.(Estb Of 200 Bedded Mother And Child Hospital & Nursing College)

Client Reference: 4460/13/MA/04/359

SOM Lab

Ref: 3920 (Page-1/1)

Dated: 29-03-2024

Dated: 03-04-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SJ Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.705	8	1.006	0.79	0.795	24.11	34.10	67310	66880	95190	94590	1.50	8.0	18.8	
2	2.721	8	1.009	0.79	0.800	24.36	34.45	68020	67170	96190	94990	1.20	8.0	15.0	
3	1.456	6	0.738	0.44	0.428	13.10	18.06	65660	67500	90540	93080	1.30	8.0	16.3	
4	1.470	6	0.742	0.44	0.432	14.04	19.27	70360	71660	96570	98360	1.10	8.0	13.8	
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Witnessed By: Asim Nazeer (Project Manager, IDAP), Ameer Hamza (Junior Engineer, Nespak)

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Tahir Mehmood, Chief Engr

Test Performed By:

Dr. /Engr.

Wasim Abbas

Zaitoon, New Lahore City. (Const Of House by Tameer Construction Pvt Ltd)

Client Reference: NLC/CE/0170

SOM Lab

Ref:

3921(Page-1/1)

Dated: 03-04-2024

Dated:

03-04-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.646	8	0.995	0.79	0.778	26.52	35.49	74050	75190	99090	100620	1.50	8.0	18.8	
2	2.652	8	0.996	0.79	0.779	26.01	35.29	72630	73650	98520	99910	1.10	8.0	13.8	
3	1.407	6	0.725	0.44	0.413	14.34	19.44	71890	76590	97440	103810	1.20	8.0	15.0	
4	1.464	6	0.740	0.44	0.430	15.21	20.44	76240	78010	102450	104830	1.10	8.0	13.8	
5	0.668	4	0.500	0.20	0.196	6.70	8.63	73850	75360	95210	97150	1.00	8.0	12.5	
6	0.677	4	0.503	0.20	0.199	6.88	8.74	75880	76260	96340	96820	1.10	8.0	13.8	
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Witnessed By: M.Azhar Raiz (Asstt Lab Incharge, Zaitoon)

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Nine Samples Received and Tested</p>
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Engineer Muhammad Irshad
Dy Dir Dev. DHA Gujranwala.(Const of InnoVista Technology Zone)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 111/3/DD/Dev/Soft Tech Park/14

SOM Lab

Ref: 3922 (Page-1/1)

Dated: 26-03-2024

Dated: 03-04-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Sheikhoo Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.499	6	0.749	0.44	0.441	13.73	19.03	68830	68670	95400	95180	1.60	8.0	20.0	
2	1.492	6	0.747	0.44	0.438	13.66	18.93	68470	68780	94880	95320	1.30	8.0	16.3	
3	0.655	4	0.494	0.20	0.192	6.57	8.56	72510	75530	94420	98360	1.20	8.0	15.0	
4	0.664	4	0.498	0.20	0.195	6.65	8.63	73290	75170	95210	97650	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Rana Associates
Lahore.(Project:- P-160 Gulberg Lahore)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil
Dated: 03-04-2024

SOM Lab
Ref: 3923 (Page-1/1)
Dated: 03-04-2024

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.637	8	0.993	0.79	0.775	24.84	33.84	69350	70700	94480	96310	1.40	8.0	17.5	
2	2.638	8	0.993	0.79	0.775	24.79	33.81	69210	70550	94400	96220	1.50	8.0	18.8	
3	1.501	6	0.749	0.44	0.441	15.09	19.37	75620	75450	97080	96860	1.50	8.0	18.8	
4	1.509	6	0.751	0.44	0.443	15.16	19.22	75980	75470	96320	95660	1.20	8.0	15.0	
5	0.666	4	0.500	0.20	0.196	5.93	8.94	65420	66760	98580	100600	1.40	8.0	17.5	
6	0.672	4	0.501	0.20	0.197	5.98	8.97	65990	66990	98920	100430	1.30	8.0	16.3	
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BEND TEST:

--	No Bend test performed	Note:- Only Six Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Imran Ahmad Khan

Test Performed By: Dr. /Engr. Nauman Khurram

DP ZICON.(Const of Sicial Block Building, Agro Green House,Pepsico,Moza Olakh,Phool Nagar)

Client Reference: Nil

SOM Lab

Ref: 3925 (Page-1/1)

Dated: 02-04-2024

Dated: 03-04-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.542	6	0.759	0.44	0.453	13.76	18.62	68980	67000	93350	90670	1.20	8.0	15.0	
2	1.546	6	0.760	0.44	0.454	13.58	18.42	68060	65960	92330	89480	1.10	8.0	13.8	
3	0.666	4	0.500	0.20	0.196	7.36	9.45	81160	82820	104200	106330	1.00	8.0	12.5	
4	0.677	4	0.503	0.20	0.199	7.10	8.92	78350	78740	98360	98850	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

M/S Iftkhar
Ziyaan Sabir House No.69 F Block Phase No.12 EME Society

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: I&C 001

SOM Lab

Ref: 3926 (Page-1/1)

Dated: 03-04-2024

Dated: 03-04-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.664	8	0.998	0.79	0.783	24.67	35.07	68870	69490	97900	98770	1.40	8.0	17.5	
2	1.488	6	0.746	0.44	0.437	13.78	20.03	69080	69560	100400	101090	1.20	8.0	15.0	
3	0.662	4	0.498	0.20	0.195	6.22	8.79	68570	70330	96900	99380	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Jan

Test Performed By: Dr. /Engr. Nauman Khurram

Snr Site Inspector Designmen Consulting Engg.(Const Site of AIOU Regional Office Sheikhpura)

Client Reference: P-348/2022/AIOU-SKP/Lab/12-A

SOM Lab

Ref: 3927 (Page-1/1)

Dated: 03-04-2024

Dated: 03-04-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Mughal Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.497	6	0.748	0.44	0.440	15.16	19.59	75980	75980	98210	98210	1.20	8.0	15.0	
2	1.479	6	0.744	0.44	0.435	14.90	19.29	74700	75560	96670	97780	1.20	8.0	15.0	
3	0.656	4	0.496	0.20	0.193	6.29	8.05	69360	71870	88800	92030	1.10	8.0	13.8	
4	0.657	4	0.496	0.20	0.193	6.49	8.28	71610	74200	91280	94590	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk